

FIG. 1

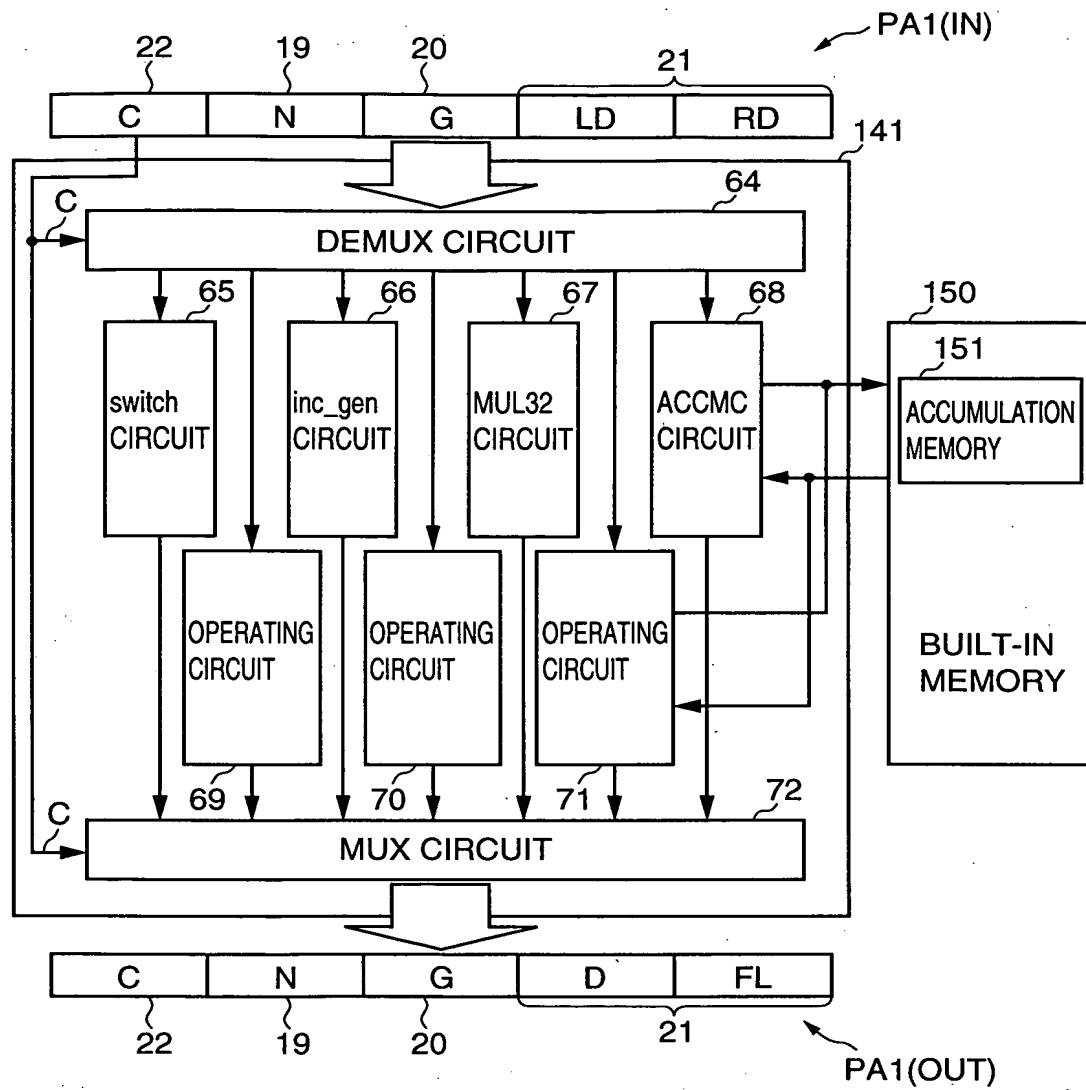


FIG. 2

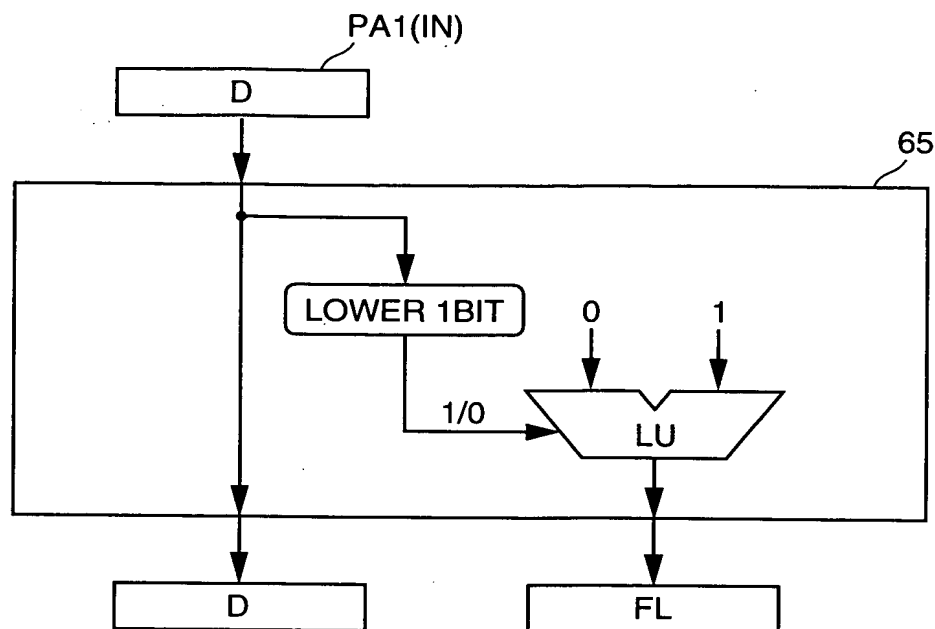


FIG. 3

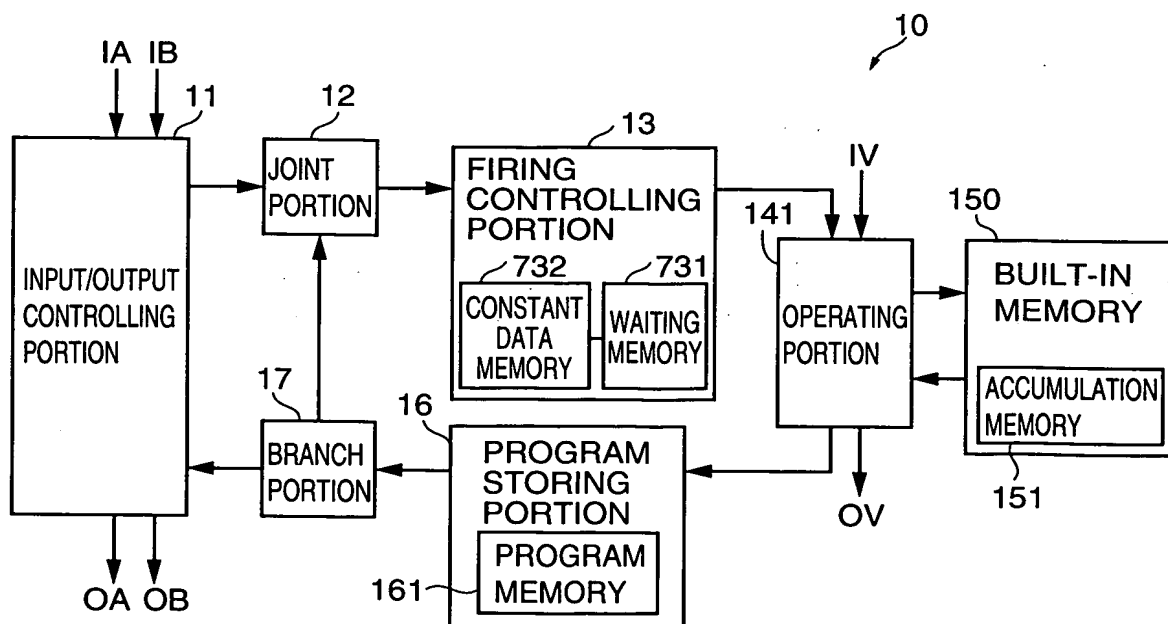


FIG. 4A

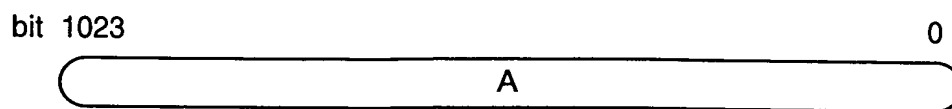


FIG. 4B

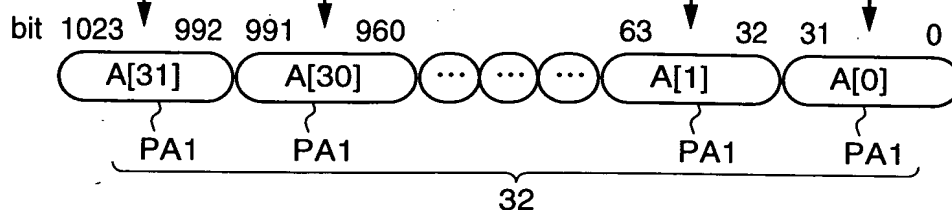


FIG. 5A

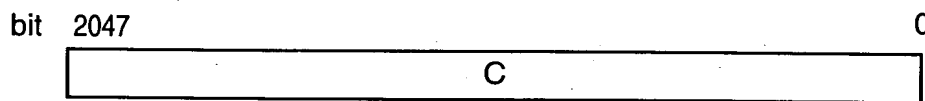


FIG. 5B

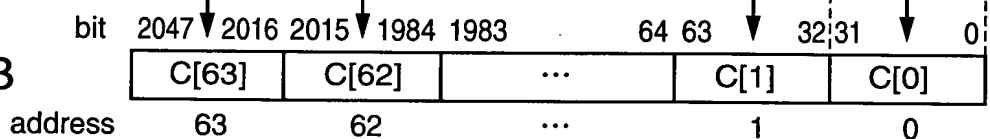


FIG. 6

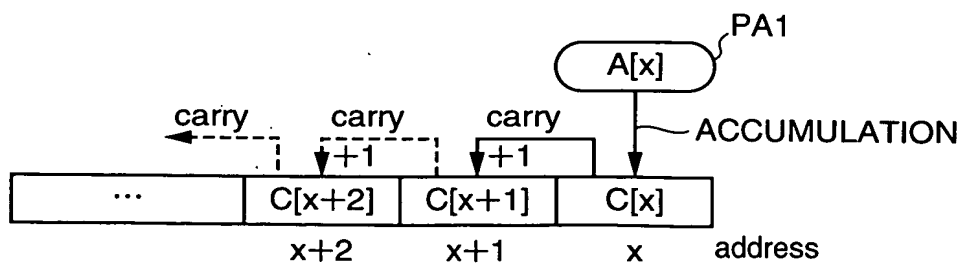


FIG. 7

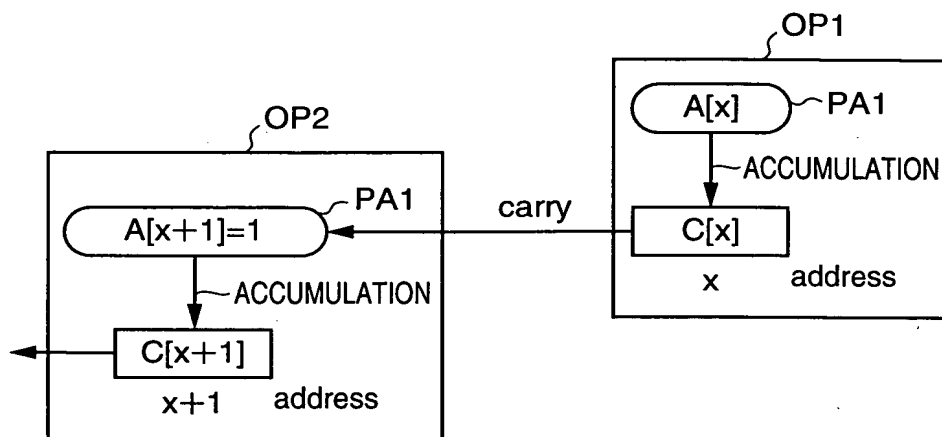


FIG. 8

$$\begin{aligned}
 C=A*B &= (A[0]*B[0]) & + (A[0]*B[1]) << (32*1) \\
 & + (A[0]*B[2]) << (32*2) & + (A[0]*B[3]) << (32*3) \\
 & + \dots & + (A[0]*B[31]) << (32*31) \\
 & + (A[1]*B[0]) << (32*1) & + (A[1]*B[1]) << (32*2) \\
 & + (A[1]*B[2]) << (32*3) & + (A[1]*B[3]) << (32*4) \\
 & + \dots & + (A[1]*B[31]) << (32*32) \\
 & + (A[2]*B[0]) << (32*2) & + (A[2]*B[1]) << (32*3) \\
 & + (A[2]*B[2]) << (32*4) & + (A[2]*B[3]) << (32*5) \\
 & + \dots & + (A[2]*B[31]) << (32*33) \\
 & & \dots \\
 & & \dots \\
 & + (A[31]*B[0]) << (32*31) & + (A[31]*B[1]) << (32*32) \\
 & + (A[31]*B[2]) << (32*33) & + (A[31]*B[3]) << (32*34) \\
 & + \dots & + (A[31]*B[31]) << (32*62)
 \end{aligned}
 \quad \left. \vphantom{\begin{aligned} C=A*B &= (A[0]*B[0]) \\ & + (A[0]*B[2]) << (32*2) \\ & + \dots \\ & + (A[1]*B[0]) << (32*1) \\ & + (A[1]*B[2]) << (32*3) \\ & + \dots \\ & + (A[2]*B[0]) << (32*2) \\ & + (A[2]*B[2]) << (32*4) \\ & + \dots \\ & + (A[31]*B[0]) << (32*31) \\ & + (A[31]*B[2]) << (32*33) \\ & + \dots \end{aligned}} \right\} \text{EXPRESSION (1)}$$

FIG. 9

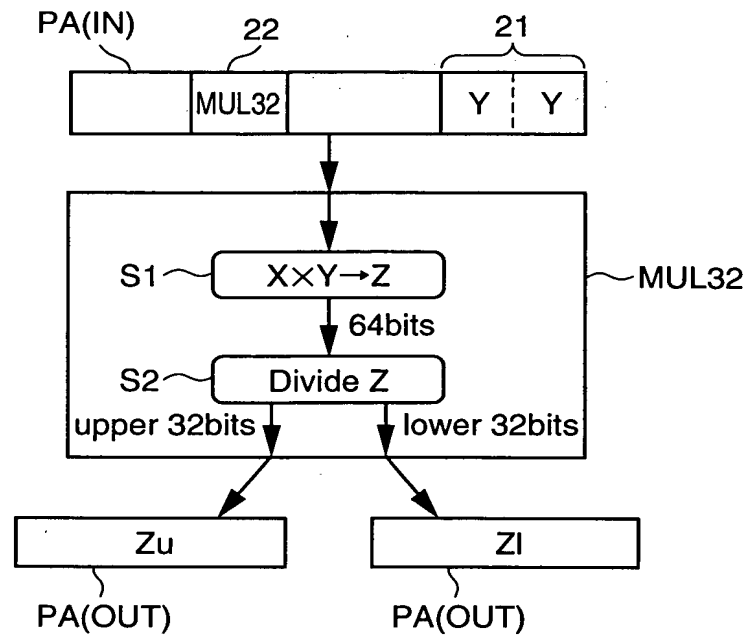


FIG. 10

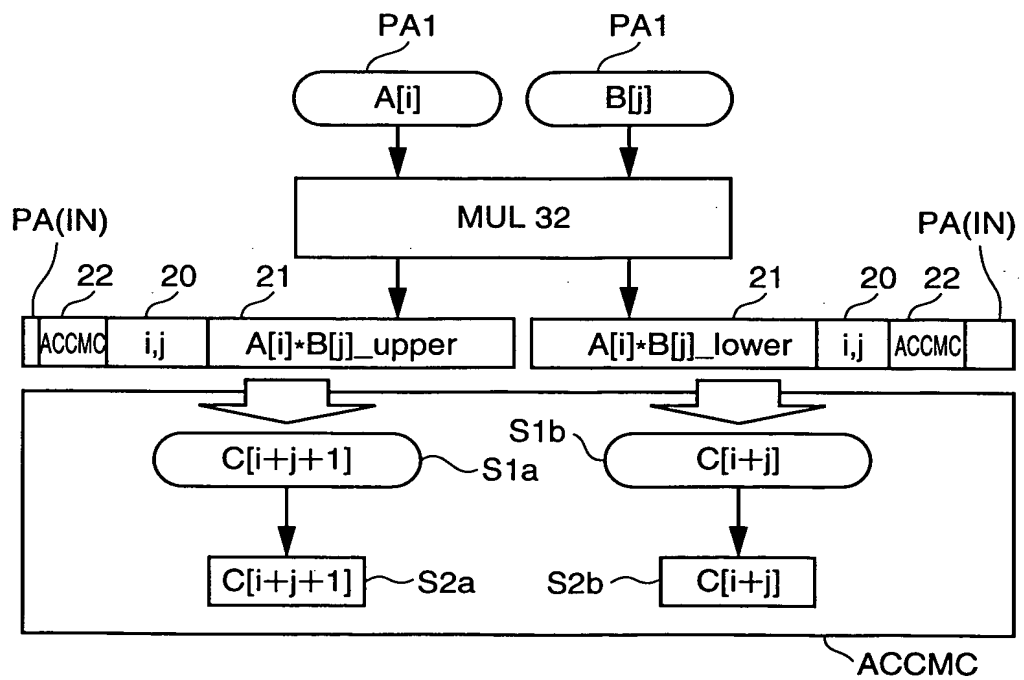


FIG. 11

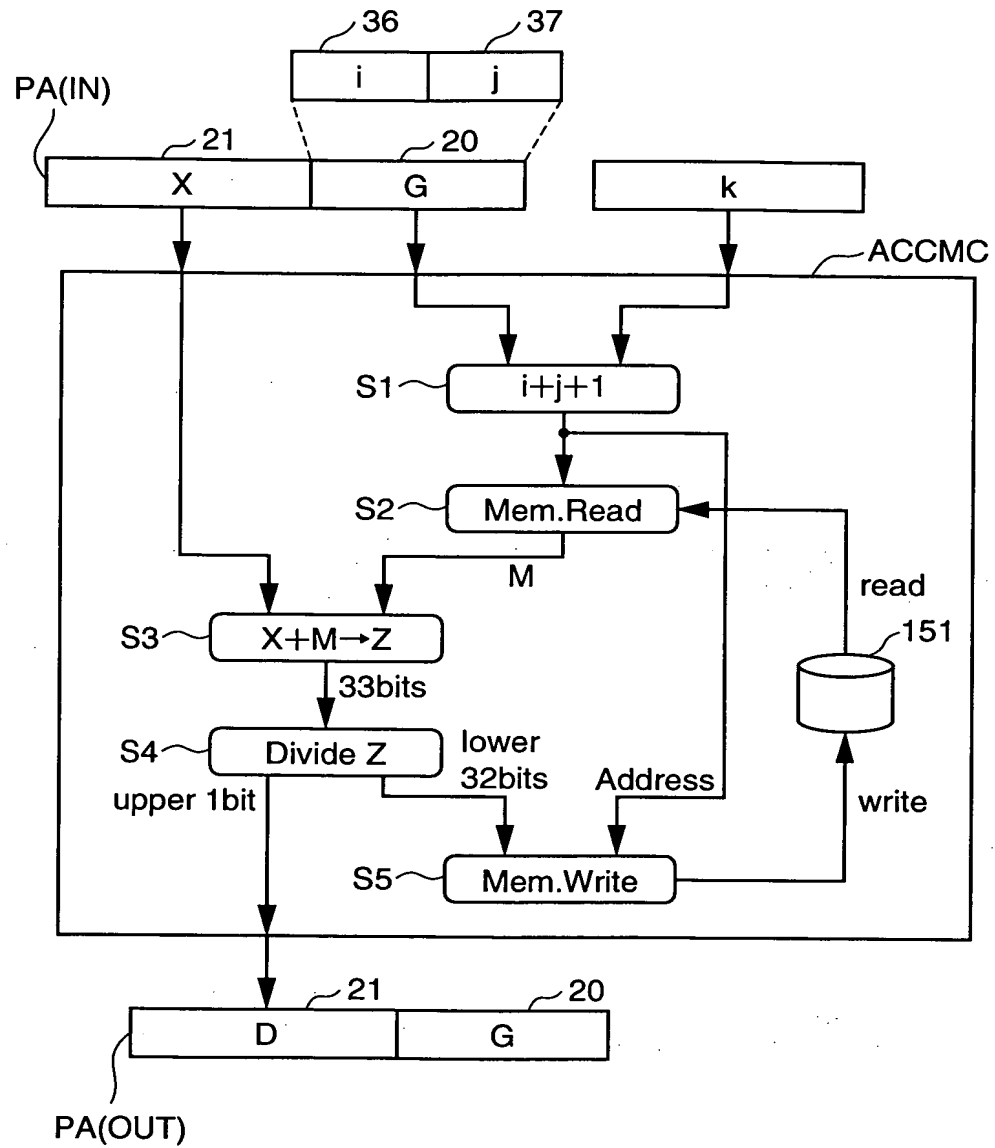


FIG. 12

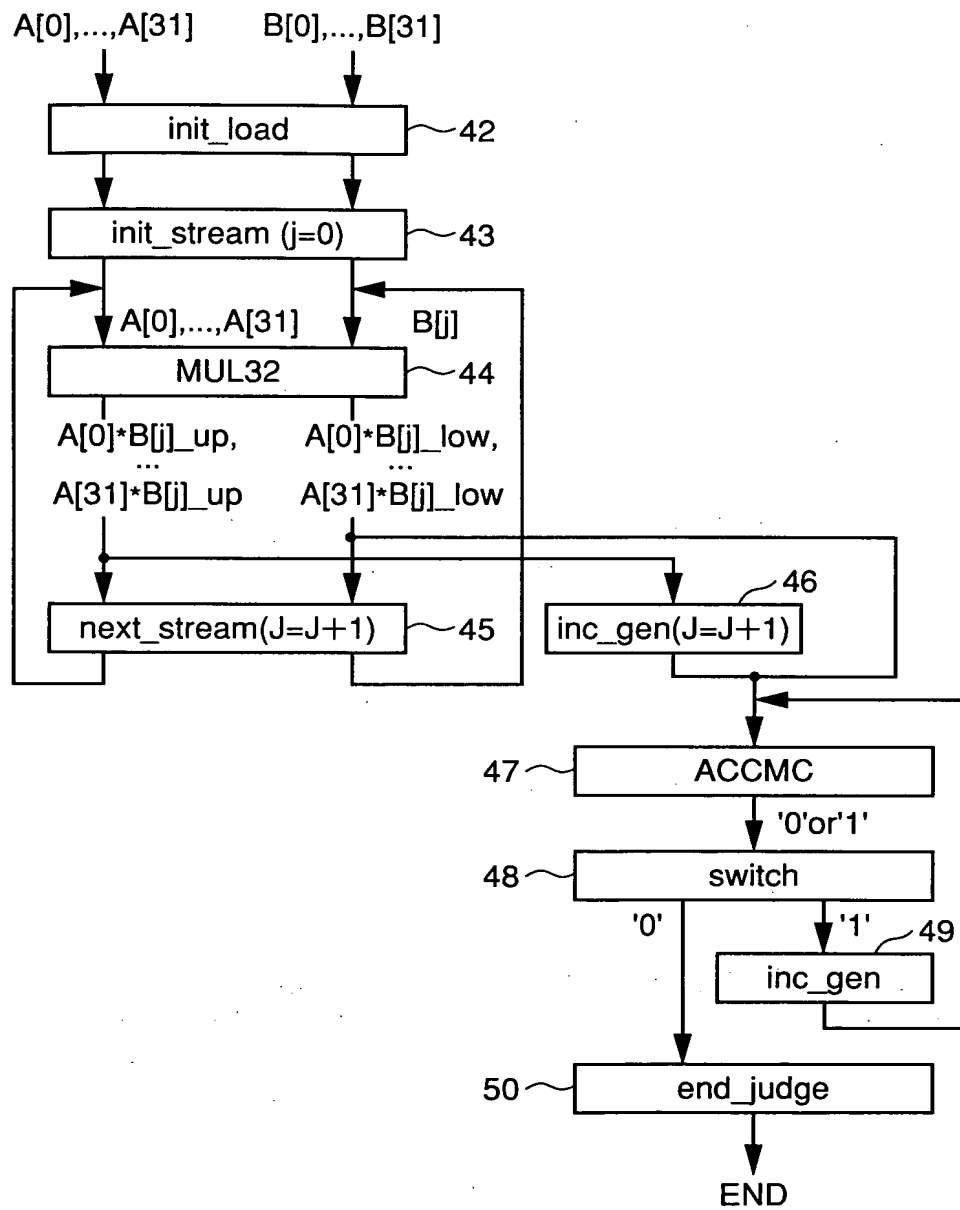


FIG. 13 PRIOR ART

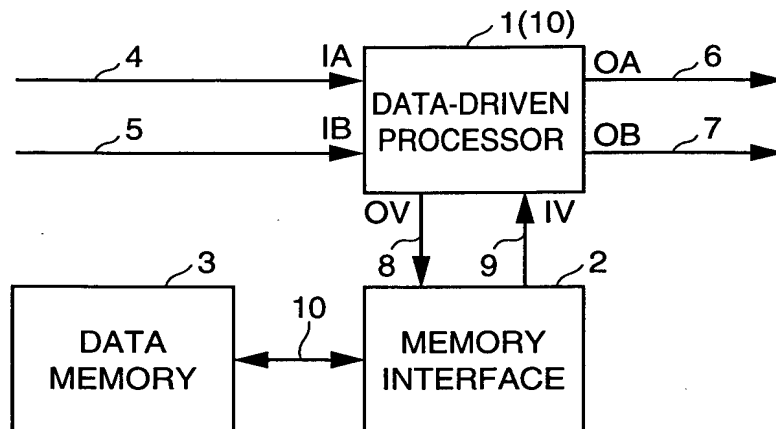


FIG. 14 PRIOR ART

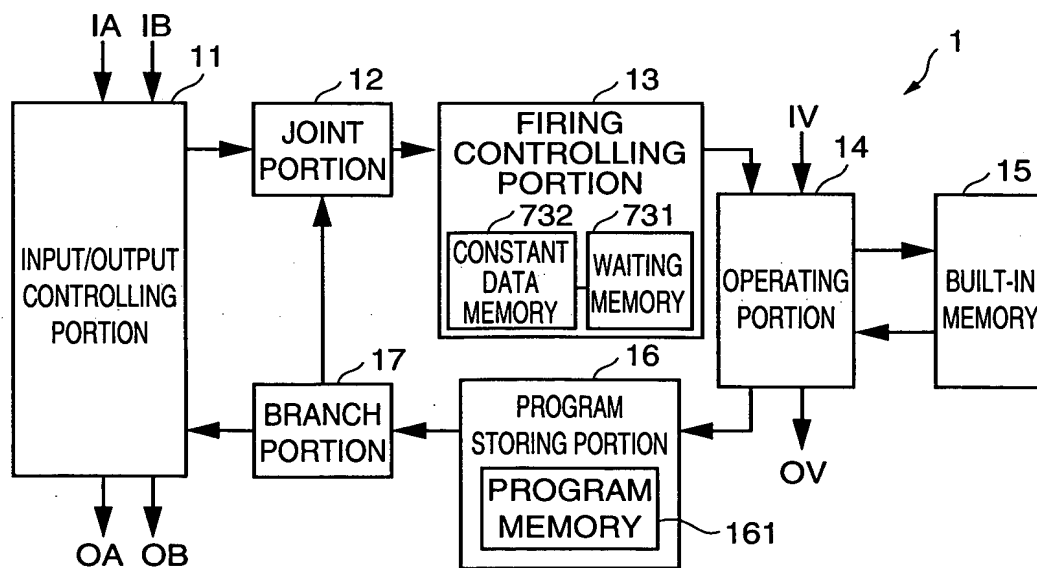




FIG. 15A PRIOR ART

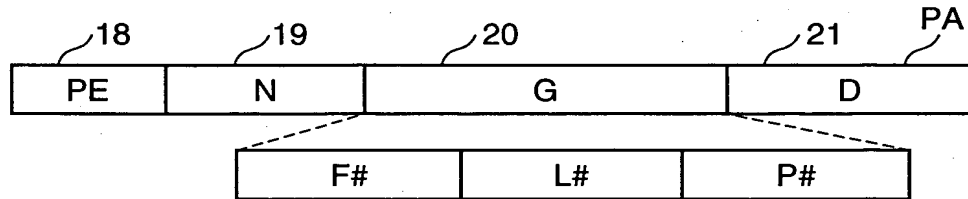


FIG. 15B PRIOR ART

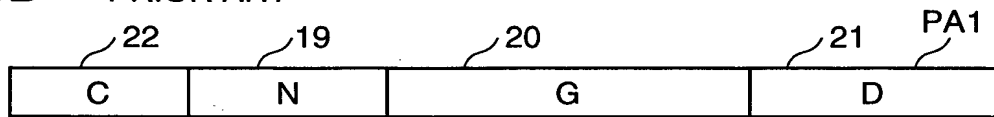


FIG. 16 PRIOR ART

